

P016330GB seq listing.ST25.txt

SEQUENCE LISTING

<110> Cyclacel Ltd

<120> Polypeptides

<130> P016330WO IJF

<150> GB0402904.7

<151> 2004-02-10

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 1059

<212> DNA

<213> Artificial

<220>

<223> expression construct

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ttacttttaa atgatcttaa gaagcataca gctgatgaaa atccagacaa aagcacttta 540
gaaaaagcta ttggatcact gaaggaagta atgacgcata ttaatgagga taagagaaaa 600
acagaagctc aaaagcaaat ttttgatgtt gtttatgaag tagatggatg cccagcta 660

P016330GB seq listing.ST25.txt

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agaaaaacggc acaaggttat tggcactttt aggagtcctc atggccaaac ccgaccccca    840
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agagagacag aagattgcca taatgctttt gccttgcttg tgaggccacc aacagagcag    960
gcaaatgtgc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta   1020
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<210> 2

<211> 1305

<212> DNA

<213> Artificial

<220>

<223> Expression construct

<400> 2

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ccttcaaagc agtcagcaag gtggcaagtt gaaaagagc tttatcaaac tgaaagtaat    180
tatgttaata tattggcaac aattattcag ttatttcaag taccattgga agaggaagga    240
caacgtgggtg gacctatect tgcaccagag gagattaaga ctatttttgg tagcatccca    300
gatatactttg atgtacacac taagataaag gatgatcttg aagaccttat agttaattgg    360
gatgagagca aaagcattgg tgacattttt ctgaaatatt caaaagattt ggtaaaaacc    420
taccctccct ttgtaaaactt ctttgaaatg agcaaggaaa caattattaa atgtgaaaaa    480
cagaaaccaa gatttcatgc ttttctcaag ataaaccaag caaaaccaga atgtggacgg    540
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gctattggat cactgaagga agtaatgacg catattaatg aggataagag aaaaacagaa    720
gtcmetaagc aaatttttga tgttgtttat gaagtagatg gatgcccgagc taatctttta    780
tcttctcacc gaagcttagt acagcggggtt gaaacaattt ctctaggtga gcacccctgt    840
gacagaggag aacaagtaac tctcttcctc ttcaatgatt gcctagagat agcaagaaaa    900
cggcacaagg ttattggcac ttttaggagt cctcatggcc aaacccgacc ccagcttct    960
cttaagcata ttcacctaat gcctctttct cagattaaga aggtattgga cataagagag   1020
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P016330GB seq listing.ST25.txt

gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg 1140
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 agatatctag acccagcttt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc 1260
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<210> 3

<211> 353

<212> PRT

<213> Artificial

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<223> Expressed protein

<400> 3

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 20 25 30
 Leu Phe Gln Val Pro Leu Glu Glu Gly Gln Arg Gly Gly Pro Ile
 35 40 45
 Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe Gly Ser Ile Pro Asp Ile
 50 55 60
 Phe Asp Val His Thr Lys Ile Lys Asp Asp Leu Glu Asp Leu Ile Val
 65 70 75 80
 Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp Ile Phe Leu Lys Tyr Ser
 85 90 95
 Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe Val Asn Phe Phe Glu Met
 100 105 110
 Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys Gln Lys Pro Arg Phe His
 115 120 125
 Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro Glu Cys Gly Arg Gln Ser
 130 135 140
 Leu Val Glu Leu Leu Ile Arg Pro Val Gln Arg Leu Pro Ser Val Ala
 145 150 155 160
 Leu Leu Leu Asn Asp Leu Lys Lys His Thr Ala Asp Glu Asn Pro Asp
 165 170 175
 Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser Leu Lys Glu Val Met Thr
 180 185 190
 His Ile Asn Glu Asp Lys Arg Lys Thr Glu Ala Gln Lys Gln Ile Phe
 195 200 205
 Asp Val Val Tyr Glu Val Asp Gly Cys Pro Ala Asn Leu Leu Ser Ser

P016330GB seq listing.ST25.txt

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210                215                220
His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His
225                230                235                240

Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys
                245                250                255

Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser
                260                265                270

Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu
                275                280                285

Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
                290                295                300

Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
305                310                315                320

Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
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Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
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Lys

<210> 4

<211> 434

<212> PRT

<213> Artificial

<220>

<223> Expressed protein

<400> 4

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Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp
                35                40                45

Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile
                50                55                60

Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Glu Gly
65                70                75                80

Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe
                85                90                95

Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp
                100                105                110

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Leu Glu Asp Leu Ile Val Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp
 115                               120                               125

Ile Phe Leu Lys Tyr Ser Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe
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Val Asn Phe Phe Glu Met Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys
 145                               150                               155                               160

Gln Lys Pro Arg Phe His Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro
 165                               170                               175

Glu Cys Gly Arg Gln Ser Leu Val Glu Leu Leu Ile Arg Pro Val Gln
 180                               185                               190

Arg Leu Pro Ser Val Ala Leu Leu Leu Asn Asp Leu Lys Lys His Thr
 195                               200                               205

Ala Asp Glu Asn Pro Asp Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser
 210                               215                               220

Leu Lys Glu Val Met Thr His Ile Asn Glu Asp Lys Arg Lys Thr Glu
 225                               230                               235                               240

Ala Gln Lys Gln Ile Phe Asp Val Val Tyr Glu Val Asp Gly Cys Pro
 245                               250                               255

Ala Asn Leu Leu Ser Ser His Arg Ser Leu Val Gln Arg Val Glu Thr
 260                               265                               270

Ile Ser Leu Gly Glu His Pro Cys Asp Arg Gly Glu Gln Val Thr Leu
 275                               280                               285

Phe Leu Phe Asn Asp Cys Leu Glu Ile Ala Arg Lys Arg His Lys Val
 290                               295                               300

Ile Gly Thr Phe Arg Ser Pro His Gly Gln Thr Arg Pro Pro Ala Ser
 305                               310                               315                               320

Leu Lys His Ile His Leu Met Pro Leu Ser Gln Ile Lys Lys Val Leu
 325                               330                               335

Asp Ile Arg Glu Thr Glu Asp Cys His Asn Ala Phe Ala Leu Leu Val
 340                               345                               350

Arg Pro Pro Thr Glu Gln Ala Asn Val Leu Leu Ser Phe Gln Met Thr
 355                               360                               365

Ser Asp Glu Leu Pro Lys Glu Asn Trp Leu Lys Met Leu Cys Arg His
 370                               375                               380

Val Ala Asn Thr Ile Cys Lys Ala Arg Ala Asn Ser Arg Pro His Ser
 385                               390                               395                               400

Arg Tyr Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Asp Ser Arg Leu
 405                               410                               415

Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser
 420                               425                               430

Asn Asn

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